

[Heterocycles, **40**, 279-284 (1995)]

[Lab. of Pharmacognosy]

Two New Xanthenes from the Root Bark of *Garcinia subelliptica*.

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In continuation of our works oriente to research for xanthone derivatives with bioactive potency in Guttiferaous plants, we now report the isolation and characterization of two new xanthenes from the root bark of *Garcinia suelliptica* (Clusiaceae) along with two known xanthenes [12b-hydroxy-des-D-garcigerina and globuxanthone]. The structures of two new xanthenes, named subelliptenones C and D, were determined by anallysis of NMR spectral data including 2D techniques.

[Lett. Appl. Microbio., **21**, 219-222 (1995)]

[Lab. of Pharmacognosy]

Antibacterial activity of flavonostilbene against methicillin-resistant *Staphylococcus aureus*.

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Three phytochemical compounds (alopecurones A-C), flavonostilbenes which are produced by condensation between a hydroxyflavanone and a hydroxystilbene, were isolated as major components from the roots of *Sophora alopecuroides*. They uniformly inhibited the growth of 21 strains of methicillin-resistant *Staphylococcus aureus* with minimum inhibitory concentrations of 3.13-6.25 mg ml⁻¹.

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In previous papers of the chemical constituents in Guttiferaeous plants, the sturctures of new xanthenes, subelliptenones A-D, isolated from the root bark of *Garcinia subelliptica* were described, in addition to new xanthenes in *Calophyllum inophyllum*. Further search for components with biological activities in the root bark of *G. subelliptica* resulllted in the isolation of four xanthenes including three new ones. These new compounds (subelliptenones E-G) were determined by means of spectroscopic analysis.